

**CLAIMS:**

1. A system for acquiring information associated with an industrial operation, the system comprising

first generating apparatus for generating first data representative of at least one parameter of an industrial operation, said first data generatable in digitized form,

second generating apparatus for generating second data related to at least one image of an actual physical aspect of the industrial operation, said second data generatable in digitized form,

storage apparatus for storing said first data and said second data, and

accessing apparatus for simlutaneously accessing said first data and said second data.

2. A system for acquiring information associated with oilfield operations, the system comprising

first generating apparatus for generating first data representative of at least one parameter of an oilfield operation, said first data generatable in digitized form,

second generating apparatus for generating second data related to at least one image of an actual physical aspect of the oilfield operation, said second data generatable in digitized form,

storage apparatus for storing said first data and said second data, and

presentation apparatus for simlutaneously presenting said first data

and said second data.

1           3.     The system of claim 2 wherein said at least one image is from the group  
2 consisting of recorded audio images and recorded visual images of said actual physical  
3 aspect of said oilfield operation.

1           4.     The system of claim 3 wherein said second data relates to an audio  
2 image of said actual physical aspect of said oilfield operation recorded by sound  
3 recording apparatus.

4           5.     The system of claim 3 wherein said second data relates to a visual image  
5 of said actual physical aspect of said oilfield operation recorded by a photographic  
6 camera.

1           6.     The system of claim 3 wherein said second data relates to visual images  
2 of said aspect of said oilfield operation recorded by video camera apparatus.

1           7.     The system of claim 2 wherein said first data and said second data are  
2 generated simultaneously.

1           8.     The system of claim 2 wherein said at least one parameter is a plurality  
2 of parameters.

1           9.     The system of claim 2 wherein sensor apparatus is used to measure said  
2 at least one parameter.

1           10.    The system of claim 2 wherein said oilfield operation is a drilling  
2 operation.

1           11.    The system of claim 2 wherein said second data is generated by  
2 apparatus including at least one hand-held device.

1           12.    The system of claim 2 further comprising  
2                   said presentation apparatus including display apparatus for  
3 displaying said first data and said second data.

4           13.    The system of claim 12 wherein said display apparatus includes at least

one screen.

14. The system of claim 13 wherein said at least one screen visually displays said first data and said second data as a function of time.

15. The system of claim 14 wherein first data and second data for a particular time are presented together.

16. The system of claim 13 wherein said at least one screen includes at least one screen of computer apparatus, and wherein a display on said at least one screen of computer apparatus includes at least one icon for said second data and the system further comprising

icon apparatus for selecting said at least one icon to view on said at least one screen of computer apparatus an image of said actual physical aspect of said oilfield operation related to said second data.

17. The system of claim 16 wherein said at least one icon is a plurality of icons, each icon corresponding to an image related to said second data.

18. The system of claim 17 wherein said display includes a display of a drilling log, said oilfield operation is a drilling operation, said at least one parameter is a parameter of the oilfield drilling operation, and the second data is related to at least one actual physical aspect of said oilfield drilling operation.

19. The system of claim 12 wherein said display apparatus includes strip chart apparatus.

20. The system of claim 2 further comprising said presentation apparatus including sound apparatus for presenting an audio playback related to said second data.

21. The system of claim 2 further comprising server apparatus for receiving and storing said first data.

22. The system of claim 2 further comprising

server apparatus for receiving and storing said second data.

23. The system of claim 2 further comprising  
network apparatus for receiving said first data and for transferring  
said first data.

24. The system of claim 23 further comprising  
said network apparatus for receiving said second data and for  
transferring said second data.

25. A method for acquiring data associated with an industrial operation, the  
method comprising

acquiring with a system data related to the industrial operation,  
said system comprising first generating apparatus for generating first data  
representative of at least one parameter of an industrial operation, said first  
data generatable in digitized form, second generating apparatus for generating  
second data related to at least one image of an actual physical aspect of the  
industrial operation, said second data generatable in digitized form, storage  
apparatus for storing said first data and said second data, and accessing  
apparatus for simultaneously accessing said first data and said second data .

26. A method for acquiring data associated with an oilfield operation, the  
method comprising

acquiring with a system data related to the oilfield operation, said  
system comprising first generating apparatus for generating first data  
representative of at least one parameter of an oilfield operation, said first data  
generatable in digitized form, second generating apparatus for generating  
second data related to at least one image of an actual physical aspect of the  
oilfield operation, said second data generatable in digitized form, storage

9 apparatus for storing said first data and said second data, presentation  
10 apparatus for simultaneously presenting said first data and said second data .

1 27. The method of claim 26 wherein the presentation apparatus includes  
2 display apparatus and the method further comprising  
3 simultaneously displaying with display apparatus said first data and  
4 said second data.

1 28. The method of claim 26 wherein said first data and said second data are  
2 displayed on a screen, wherein wherein said screen is a screen of computer apparatus,  
3 and wherein a display on said screen includes at least one icon for said second data  
4 and the system further comprising icon apparatus for selecting said at least one icon  
5 to view an image related to said second data, the method further comprising  
6 selecting said at least one icon, and  
7 viewing said image related to said second data.

1 29. The method of claim 26 wherein said presentation apparatus includes sound  
2 apparatus for presenting an audio image related to said second data, the method  
3 further comprising  
4 reproducing as audio said audio image.

1 30. A method of monitoring drilling parameters in real time, which comprises  
2 the computer implemented steps of:  
3 displaying a list of drilling parameters for a drilling operation;  
4 displaying a graphical representation of each parameter of said set  
5 of drilling parameters; and  
6 simultaneously displaying a physically sensible image related to an  
7 actual physical aspect of a drilling operation.

1 31. The method of claim 30 wherein said display includes displaying an icon  
2 associated with said physically sensible image.

